

62-32155

Schmets, J. and Heremans, R.
DECONTAMINATION FACTOR OBTAINED DURING
RETREATMENT BY VOLATILIZATION OF IRRADI-
ATED URANIUM OXIDE. Special rept. no. 2 on
Contract 008-60-4 RML [1962] 49p. CEN BLG-58.
Order from OTS or SLA \$4.60 EURAEC-165

Trans. of rept. from Centre d'Étude de l'Énergie
Nucléaire, Brussels (Belgium) Sep 61.

DESCRIPTORS: *Uranium compounds, *Oxides, *Fission
products, *Decontamination, Vapor pressure, Oxida-
tion, Reduction, Fluorination, Rare earths, Ruthenium,
Niobium, Iodine, Molybdenum, Tellurium, Neptunium,
Purification.

(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 3)

- I. Schmets, J.
- II. Heremans, R.
- III. CEN BLG-58
- IV. EURAEC-165
- V. EURATOM (Belgium)

Office of Technical Services

63-13151

Amelinckx, S. and others.
PHYSICAL PROPERTIES OF UO_2 CRYSTALS. Quarterly
rept. no. 1, 1 Oct-31 Dec 61 on Contract 063-61-10-RDB.
[1962] 24p. 28 refs.
Order from CTS or SLA \$2.60 EURAEC-266

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Uranium compounds, *Dioxides,
*Single crystals, *Physical properties, Radiation ef-
fects, Crystal lattices, Thermal conductivity, Electri-
cal properties, Semiconductors.

(Physics--Solid State, TT, v. 9, no. 9)

I. Amelinckx, S.
II. FURAFEC-266
III. FURATOM (Belgium)

63-15581

Office of Technical Services

60-18793

Tytgat, D.
STUDY FOR THE BR-1 REACTOR OF A PROTOTYPE
OF A FUEL ELEMENT OF NATURAL URANIUM
WITH NICKEL COATING AND ALUMINUM CLADDING.
[1960] 6p. (figs. refs. omitted).
Order from SLA \$1.10

60-18793

Trans. of Centre d'Étude de l'Énergie Nucléaire
Brussels (Belgium) no. R-1822, May 60, 21p.

DESCRIPTORS: *Research reactors, *Reactor fuel
elements, *Reactor fuel cladding, Uranium, *Aluminum
coatings, *Nickel coatings.

(Nuclear Physics--Nuclear Engineering. TT, v. 9,
no. 11)

- I. Tytgat, D.
- II. CEN R-1822

Office of Technical Services

63-15078

Dejonghe, P.
RESEARCH ON THE TREATMENT OF RADIOACTIVE
WASTE AND WATER. Quarterly rept. 7, 1 Oct-61-
15 Jan 62, on Contract 048-61-4 RDB. [1962] 35p.
CEN R-2084.
Order from OTS or SLA \$3.60 EURAEC-275

I. Dejonghe, P.
II. CEN R-2084
III. EURAEC-275
IV. EURATOM (Belgium)

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Mol (Belgium) n. d.

DESCRIPTORS: Scientific research, *Radioactive
waste, *Disposal, Water, *Radioactive isotopes,
Solubility, Soils, *Tracer studies, Geochemistry, Hy-
drology, Incinerators, Gases, Ash.

Tests were made on the uptake of evaporation and ash
concentrates. The possibilities were investigated of
using K_2Co^{60} (CN) and Zn^{65} EDTA for average and
half-life water tracers. The results with both isotopes
(Nuclear Physics--Waste Disposal, TT, v. 9, no. 12)
(over)

Office of Technical Services

REPROCESSING OF IRRADIATED FUELS. Quarterly
rept. 5 (2d yr.) 1 Apr-30 June 62, on Contract
049-61-4 RDB. [1963] 26p.
Order from OTS or SLA \$2.60 EURAEC-382

Trans. of a rept. from Centre d'Étude de l'Énergie
Nucléaire, Mol (Belgium) n.d.

DESCRIPTORS: *Reactor fuel processing, *Chlori-
nation, *Reaction kinetics, *Fission products,
Powders, *Powder metallurgy, *Uranium compounds,
*Fluorides, Distillation, *Plutonium.

Contents:
Chloridization, by P. Speckaert and others
Kinetics, by A. Burtholz and others
Elimination of fission products, by C. Pierini and
R. Harrie
(Nuclear Physics--Nuclear Engineering. TT. v. 10,
no. 4) (over)

63-15803

- I. EURAEC-382
- II. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

63-15815

Schmeets, J. and others.
RETREATMENT OF SPENT FUELS. Quarterly rept. 2.
July-Sep 60. [1962] 136p. CEN R-1910.
Order from OTS or SLA \$10.50

EURABC-24

Trans. of a rept. from Centre d'Etude de l'Energie
Nucléaire, Brussels (Belgium) 1960.

DESCRIPTORS: *Reactor fuels, Chlorination, Kinetic
theory, Particles, Fission products, Disposal, Powders,
*Uranium compounds, *Fluorides, *Plutonium,
Chlorides, Carbides, Oxides, Kinetic theory,
Oxidation reduction reactions, Fluidized solids.

Contents:

Chlorination

Kinetics

Analysis of particles

Disposal of fission products

(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 6) (over)

- I. Schmeets, J.
- II. CEN R-1910
- III. EURABC-24
- IV. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

63-19989

Amelinckx, S. and others.

SOLID STATE NEUTRON DETECTOR. Quarterly
rept. 6, 1 Jan-31 Mar 62, on Contract 079-61-10 RDB.
[1963] [19]p. 3 refs. CEEN R-2112.
Order from OTS or SLA

EURAEC-306

Trans. of a rept. from Centre d'Etude de l'Energie
Nucleaire, Mol (Belgium) n. d.

DESCRIPTORS: *Neutron detectors, Radiation
measurement systems components, *Semiconductor
devices, *Single crystals, *Silicon compounds,
*Carbides, Impurities, Aluminum, *Photoelectricity,
Resistance (Electrical), *Hall effect, Fast neutrons,
Neutron bombardment.

P-N junctions with relatively good characteristics have
been obtained by diffusion of Al into n-type SiC single
crystals. The width of the barrier is estimated to be
(Nuclear Physics-Instruments, TT, v. 10, no. 9)
(over)

- I. Amelinckx, S.
- II. CEEN R-2112
- III. EURAEC-306
- IV. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

Amelinckx, S. and others.
SWELLING OF URANIUM. Quarterly rept. 8,
1 July-30 Sep 62, on Contract 022-60-09 RDB. [1963]
[31] p. CERN R 2179.
Order from OTS or SLA \$3.60 EURABC-464

Trans. of a rept. from Centre d'Etude de l'Energie
Nucleaire, Mol (Belgium) n.d.

DESCRIPTORS: *Uranium, *Folia, Preparation, Cold-
working, Annealing, *Electrolytic polishing, *Grain
structure (Metallurgy), *Radiation effects, *Crystal
lattice defects, *Twining (Crystallography), Crystal
structure, Electron microscopy.

Observations were made of the defect structure in
thin α -uranium foils of highest purity. A method was
developed which appears to be suitable for the prep-
aration of thin uranium foils of large grain size. Such
(Physics--Solid State, TT, v. 10, no. 9) (over)

63-19985

- I. Amelinckx, S.
- II. CERN R-2179
- III. EURABC-464
- IV. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

CORROSION PROBLEME. Quarterly rept. no. 1,
1 Mar-31 May 60. [1960] 48p. Info
Order from OTS or SLA \$4.60 EURABC-29

Trans. of a rept. from Centre Belge d'Etude de la
Corrosion, Brussels; Centre d'Etude de l'Energie
Nucleaire, Brussels (Belgium); Societe d'Etudes, de
Recherches et d'Applications pour l'Industrie,
Brussels (Belgium) Jan 60.

DESCRIPTORS: *Nuclear materials, *Corrosion,
Electrochemistry, Temperature.

(Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 12)

63-23281

- I. EURABC-29
- II. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

Dusts -- Silicosis.

bk,
FRENCH, ~~1959~~ Centre d'Etudes et Recherches,
1959.

Dept of Interior
TW 157 No 518 (R)

Sci - Min/met

196,830

May 62

Methods of Calculating Multiple Regression
and Correlation Coefficients, by J. M.
Faverge, 20pp
FRENCH, per, Centre d'Etudes et Recherches
Psychotechniques, Vol 4, 1955, No 4, pp 371-377
SIA TT-64-20201

Sci - Earth Sci
May 67

326,580

Current Work of CERCHAR on Explosives.

FRENCH, per, Centre d'Etudes et Recherches,
Charbonnages de France.

Dept of Interior
TN7 E57 No 731

Sci
Apr 64

Dusts -- Silicosis.

FRENCH, per, Centre d'Etudes et Recherches
Charbonnages de France,

Dept of Interior
TN 57 No 518 (R)

Sci + Min/Int

211,953

- Aug 62

Concerning a Mechanism of the Fissuring of
Coke, by S. Audibert, 19 pp.

FRANCE, par, Centre d'Etudes et Recherches
des Charbonnages de France, Jun 1953.

Dept of Interior
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa. Tr 92

Sci - Engr

May 59

87, 641

The Mechanical Action of Explosives, by
M. Giltaire.

FRENCH, par, Centre d'Etudes et Recherche des
Charbonnages de France, No 650, Sep 1955.

Dept of Interior
National Coal Bd Tr 2 A 1966/djs
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa.

Sci - Chem
Jan 61

136,755

A Study of Certain Lignites; the Nature ~~and~~ and
Determination of the Mineral Matter, by
A. Kreyenbuhl.

FRANCO, par, Centre d'etudes et recherches des
Charbonnages de France, No 75, Sept. 1946.

Nat'l Coal Board Tr A1274/ENR
U. S. Bureau of Mines
Central Experiment Station
Pittsburgh, Pa.

Sci-Technology
Oct 61

171,506

Durand, Georges and Labouste, Jean.
A LABORATORY COOKING OVEN FOR 20-KG.
CHARGES. [1960] [16]p. 12 refs.
Order from QTS or SLA \$1.60 60-13262

Trans. of mono. pub. by Centre d'Etudes et
Recherches des Charbonnages de France, 1959, p. 1-11

DESCRIPTORS: Laboratory furnaces, Metallurgical
laboratories, *Coke, Ovens, *Coal, Quality control,
Carbonization, Costs.

(Materials--Fuels, TT, v. 8, no. 12)

60-13262

- I. Durand, G.
- II. Labouste, J.
- III. Department of the Interior,
Washington, D. C.

10-31-62

Office of Technical Services

Intrinsically Safe Electrical Equipment, by
L. Chaineaux.

FRENCH, p¹⁰, Centre d'Etudes et Recherches des
Charbonnages de France, H.511, Feb 1961.

Dept of Interior
Tr No 1760

Sci

Jan 63

Comparative Measurements of Tension on Cements and
Mortars, by R. M. Baudou Bertolier, 2 pp.

FRANCE, par, Centre d'Etudes et de Recherches de
l'Industrie des Liants Hydrauliques, Publication
Technique, No 43, 1951, pp 3,4.

S.L.A. Tr 1195

Sol - Engineering
Jan 57 GIN

42, 675

Human Relations and Psychometrics, by Frederic
Simon, 13 p.

FINITE, par, Centre d'Etudes et Recherches
Psychotechniques, Bull, 1954, Vol III, No 2,
pp 2-5.

SLA 59-80861.

Sci
Apr 60
Vol. XII, No 3

111,570

Berlioz, L.
STUDY OF THE REPRODUCIBILITY OF THE ITEMS
OF A TEST (Etude de la Reproductibilité des
Questions d'un Test). [1961] [30]p. 2 refs.
Order from SLA \$2.60

61-20436

Trans. of Centre d'Etudes et Recherches Psychotechni-
ques. Bulletin (France) 1955, v. 4, no. 4,
p. 379-391.

DESCRIPTORS: Group dynamics, *Statistical analysis,
Test methods, *Applied psychology, Attitudes, Socio-
metrics, *Factor analysis, Standards.

The Guttmanian notion of reproducibility is first de-
fined in the special case of item-test relationships. A
valid coefficient, whatever be the distribution of
scores, is proposed and used to study the repro-
ducibility of the 36 items of the Mechanical Test
(Behavioral Sciences--Psychology, TT, v. 7, no. 8)

(over)

61-20436

I. Berlioz, L.

Office of Technical Services

On the Problem of Time Equivalence of
Irradiation, by A. Roizes.
FRENCH, rpt, CERTS-NT-02-09, 14 pp.
NASA TT F-12,046

Sci-Phys
Mar 69

377,558

English Title Unknown, by A. Roizes.
FRENCH, per, Centre d'Etudes et de Recherches en
Technologie Spatiale, NT-02-9, May 1968.
*NASA TT F-12,046

Nov 68

Les Courants du Golfe du Benin, by
L. Vincent-Cuaz.

FRENCH, rpt, Centre d'Etudes Scientifiques et
Techniques Appliquées à la Pêche, 1960.

*BCF
Bio Lab
Washington, D.C.

Sci
Sept 64

SECRET, 1958, DP /-13.
BIS 3280

Sci - M/M
Aug 64

364,263

STUDY OF THE Blast Furnace - VIII,
by J. Michard,
CHENET, per, Centre d'Etude Supérieures
de la Sidérurgie, 1950, pp 80-80,
CISE 3280 - Pt 8

Hay/Promen
Sci/1950
Apr 65

278,476

DISH 3280

Sci - Engr
Sep 64

267,2030

Study of the Blast Furnace, by J. Michard.

FRENCH, per, Centre d'Etude Supérieures de la
Sidérurgie, Parts 3, 4, Chapter II, 1979,
pp 19-38.

MMI 3880

Sci - M/M
Aug 63

343,429

Automation in Blast Furnaces, by E. Sulzer.

FRENCH, ^{W. J.} ~~W. J.~~, Centre d'Etudes Supérieures de la
Siderurgie, Apr 1962.

REF 3080

Sol - W/M
Apr 63

129,461

The Progress of Ingot Solidification,
by P. Vallet,
FRANCE, per, Centre d'Etudes Sider.,
Cahiers du Cessid, 1964, Metz, 55.
BISI 4440

Sci/M&M
Dec 65

293,165

Example of Calculation of the Character-
istics of a Hot Blast Stove, by D. Sanna.
FRENCH, bk, Centre d'Etudes Supérieures de
la Siderurgie Les Cahiers du (essid,
Cahier I, 1964, pp 5-47.
RISI 4645

Sci-M&M
Jul 66

303,691

Applications of Low Intensity Dry Separation
to the Processing of Roasted Lorraine Ores,
by P. Javelle
FRENCH, per, C. D. S. Circ., No 3, 1966, pp.
675-721.

sci-mat
sept 69

399,225

Keller, R., Dick, L., and Fidecaro, M.
A SOURCE OF POLARIZED PROTONS: ACTUAL
STATE OF CONSTRUCTION, tr. by B. Harvey.
Aug 60. 55p. 20 refs.
Order from OTS or SLA \$5.60 UCRL Trans. 571

Trans. of Centre Europeen de Recherche
Nucleaire (Switzerland) Rept. 60-2, 29 Jan 60.

DESCRIPTORS: *Proton accelerators, Accelerators,
*Cyclotrons, Construction, *Ion sources, *Protons,
Polarization, Hydrogen, Dissociation, Atoms,
Particle beams, Magnetic separation, Laval nozzles,
Nozzles, Effectiveness.

(Nuclear Physics--Instruments, TT, v. 7, no. 3)

61-27751

- I. Keller, R.
- II. Dick, L.
- III. Fidecaro, M.
- IV. UCRL Trans-571
- V. CERN-60-2
- VI. Lawrence Radiation Lab.,
U. of California,
Berkeley

8-29-61

Office of Technical Services

Characteristics of Flours Intended for the
Manufacture of Wafers, by M. P. Bourreau.

FRANCE, pp bk, Centre de Formation Techniques
et de Perfectionnement de l'Union des
Fabricants de Biscuits, No 1, 1959, pp 1-4.

GB/TB/B.B.I.R.A. T.62

Sci-Mel & Mod Sci
May 55

229,893

The Case of an Industrial Decentralization, 6 pp.
FRENCH, per, Le Centre Industriel, No 15, 1963,
pp 30-33. (Call No HCK271 C39, No 15, 1963, Eng
Tr)

Army Map Service

WEur - France
Econ
Feb 64

250,097

Contribution to the Reversal of Pleochroic Colors,
by Maximilian Weber. 8 pp.
Garmisch, Ger. Centr. Mineral. Geol., 1925,
pp 388-392.
AEC ORNL-tr-698

Sci/Earth Sci
Dec 46

514.317

Bulletin of Orbital Information. Part I,
Orbital Parameters,
FRENCH, Centre National D'Etudes Spatiales,
9 pp.
*NASA TT P

Oct 66

Infrastructure, FOR OFFICIAL USE ONLY
FRANCIS, rpt, Centre National D'Etudes Spatiales
Report D'Activite, 1st July 1963- 1st July
1964, pp 51-58. P100104166
FTD-TT-65-1265

Sci-
Jan 67

316,853

S-PC-1 Antennas for Responder Radar Mounted on
"Veronique" Rockets, by Jean Manu, Pierre
Blasdel, 7 pp.

^{rpt}
FRENCH, ~~1961~~, Centre National d'Etudes des
Telecommunications, Etude No 578 TC, 1960.

Amer Meteorol Soc T-F-35
AF Cambridge Res Center

Sci -- Electron

167,832

Sep 61

The D-1C and D-1D Satellites.
FRENCH, per. Centre National d'Etudes
Spatiales.
Dept of Navy 5370/APL/JHU T-2000

Sci - Space Tech
Jun 67

327,013

Effect of Mobile Body's Fall Velocity Upon Wind
Measurements in the Upper Stratosphere and the
Mesosphere, by L. M. Malet.
FRENCH, per, Centre National de Recherches de
l'Espace, Brussels, 20 pp.
NASA TT F-8640

Sci - E S & Ast
May 64

U.S. GOVERNMENT ONLY

258,638

Progression of Ingot Solidification, by P.
Vallet.

FRENCH, per, Centre d'Etudes Supérieures de la
Siderurgie, Metz, Reprint, pp 1-55.

CRL/T. 2255

Sci -

Jul 67

333,889

Astronomical Observations Above the Earth's
Atmosphere, by P. Swings, 64 pp.

VENON, par, Centre National de Recherches de
l'espace, No 15, 1960, 61 pp. 969842

Amer Meteorol Soc
9-8-57

Sol - Goughs
Mar 62

188,053

**Astronomical Problem of Neutral Helium and
Hydrogen, by G. Kochart, M. Nicolet.**

**Summary, par, Centre National de Recherches de
l'Espace, No 23, 1962, 61 pp.**

NSA 11 7-0276

**2nd
Jan 63
US GOV'T USE ONLY**

214,881

Concrete Made with Granular Slag Particles, by J.
Roguejoeffre,
FRENCH, per Centre d'Etudes et de Recherches de L'
Industrie des Liants Hydrauliques Publication
Techniques, Vol. 144, 1963
GB 21/LC 1218

Sci -
Sep 1967

339-725

Devitrification of Vitreous Silica, by
Celia Martinez, 17 p.

FRANCE, par, Centre National de la Recherche Sc
Jour des Recherches, 1950, Vol III, No 10,
pp 101-106.

SLA 60-10092

Sci
Apr 60
Vol XII, No 3

112,004

The Discharge of Fluids and Fluidised Solids,
by F. Muller.
FRENCH, rpt, Centre National de Recherches
Métallurgiques, Nov 1962.
BISI 3634

Sci - M/M
Jun 64

260,253

P.J. TY Steel for Superheater Tubes.
FRENCH, rpt, Centre National de Recherches
Metallurgiques, No 10, 1963.
BISI 3513

Sci - M/M
May 64

257,020

F 2 R3 Steel for Superheater Tubes, by M. Caubo,
L. Jacques-Houssa.
FRENCH, ~~xxx~~ rpt, Centre National de Recherches
Métallurgiques, No 10, 1963.
BIS 3514

Sci - M/M
May 64

257,012

Simple Stage LI-AC Blowing Practice,
by H. Millies, F. Muller, et al.
FIDELITY, par, Centre National de Recherches
Meteorologiques, No 1, Oct 1964, pp 15-22.
DISC 4002

NE/Proneo
Sci/Ingen
Apix 46

267,473

Investigations of High Tensile Reliable
Structural Steels, by H. Echeimopoulos;
T. Groday.
FRENCH, per, C.N.R.M., 1964, (1), Oct.,
45-68.
*BISI 4001

Sci/Not 1 Mat
Mar 65

NASA TT F-8736

Sci-Phys

Jul 64

EX U.S. GOVERNMENT ONLY

260,986

Jaffray, Jean.

THE INVESTIGATION OF HIGHER ORDER TRANSFORMATIONS BY THERMAL ANALYSIS, tr. by George R. Locks. Mar 61 [29]p. Technical notes FRL-TN-38; AD-255 669.

Order from OTS or SLA \$2.60

62-32334

Trans. of Centre National de la Recherche Scientifique. Paris. JOURNAL DES RECHERCHES (France) 1947 [v. 1] p. 153-163.

DESCRIPTORS: *Thermodynamics, Temperature, *Transformations, Specific heat, Transition temperature, Cooling, *Chromium compounds, Oxides, *Copper compounds, Sulfates, *Sodium compounds, Ammonium radicals, *Beryllium compounds, Nitrates, Nitrites, Acetates.

In higher order transformations, latent heat is not involved; instead, specific heat increases with acceleration. (Physics--Thermodynamics, TT, v. 9, no. 3) (over)

62-32334

- I. Jaffray, J.
- II. FRL-TN-38
- III. Felman Research Lab.,
Picatinny Arsenal,
Dover, N. J.
- IV. AD-255 669

Office of Technical Services

<p>Paquet, C. STUDY OF LONG-CHAIN SODIUM OXYETHYLAMIDES SULFATES (SULFONATED FATTY AMIDES). [1961] 10p. Order from ATS \$14.10 ATS-16N56F Trans. of Centre Nat[ional] [de la] Recherche Sci[en- tifique] Paris. J[ournal des] Recherches (France) 1950 [v. 3] no. 13, p. 169-175. DESCRIPTORS: *Sodium compounds, *Ethyl radical, *Amides, *Sulfates, Molecular structure.</p> <p>(Physics--Molecular, TT, v. 7, no. 9)</p>	<p>62-12056 I. Paquet, C. II. ATS-16N56F III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p>
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Preparation of Silicon-Titanium Alloys by Fused
Electrolysis, by Maurice Dodero, 6 p.

FRANCE, Centre National de la Recherche Scientifique
Paris, Colloques Internationaux, 1952, Vol XXXIX,
pp CII-CII.

SLA 59-10420

Sci
Jan 60
Vol 2, No 6

163, 726

Guillaud, Charles and Bertrand, Roger.
STUDY OF THE CONDUCTIVITY OF SEMI-CON-
DUCTORS AND APPLICATION TO MIXED SYSTEMS
OF OXIDES. [1968] 36p (figs omitted).
Order from SLA \$8.60

63-18976

Trans. of Centre National de la Recherche
Scientifique et Industrielle (France)
1952, no. 18, p. 118-130.

DESCRIPTORS: *Semiconductors, Metallic compounds,
*Oxides, *Iron compounds, *Zinc compounds,
*Magnesium compounds, *Manganese, Electrical
conductance, *Quantum mechanics, *Thermoelectricity,
*Thermistors.

The results of measurements show that the conductivity
as a function of the composition of the mixed oxides
behaves in general as the theory allows one to predict
it was also shown what profit one can derive from the
(Physics--Solid State, TT, v. 10, no. 12) (over)

63-18976

I. Guillaud, C.
II. Bertrand, R.

Office of Technical Services

Investigation of the Optimum Conditions for the
Use of a Fabry-Perot Photoelectric Spectro-
meter, by R. Chaubal.

FRANCE, par, Centre National de la Recherche
Scientifique, Journal des Recherches,
Vol XXIV, 1953, pp 141-144.

CSIRO

192,139

Sci - Phys

Apr 62

Study and Realisation of a High-Frequency Furnace
for the Laboratory, by Yves Roux, 10 pp.

FRENCH, par, Centre National de la Recherche
Scientifique, Paris, Journal des Recherches,
Vol VI, No 33, 1955, pp 404-407.

SLA 60-18326

195, 990

Sci

May 62

H. Roseau

*Direction of soil moisture movement under the
influence of temperature.*

*FRENCH, rpt, Centre National de la recherche
scientifique, Colloques international aux, No 35,
1953, pp 347-352.*

**NASA TT F 14,325*

june 72

Vautier, Roger.

~~THE ENERGY OF MAGNETIZATION.~~ July 61, 14p.
(figs. omitted) 2 refs.

Order from OTS or SLA \$1.60

62-24056

Trans. of Centre National de la Recherche
Scientifique, Paris. [Journal des Recherches]
(France) 1957 [v. 8] no. 38, p. 23-29.

DESCRIPTORS: *Magnetic fields, Energy, Analysis,
Magnets, Circuits, Inductance.

The author analyzes the origin of the magnetic energy
localized in the air gap of a magnetic circuit involving
a permanent magnet. He examines the different possi-
ble cases and shows that the current interpretations of
the value of this energy are wrong. (Author)

(Physics--Magnetism, TT, v. 10, no. 7)

62-24056

I. Vautier, R.
*II. National Bureau of
Standards, Boulder,
Colo.

4-27-62

Office of Technical Services

Optical Study of a Shock Tube with Magnetic
Blowing, by M. Cloupeau
FRENCH, per, France, Centre National de Recherche
Scientifique, Journal des Recherches, No 51,
1960, pp 117-121
NTC 71-16370-20I

mar 72